

IN THE CLAIMS:

Please add the following new claims 14 through and including 28:

14. (New)

A carburetor, comprising:

a body having a scavenging air passage and a separate fuel and air mixing passage;
an air valve carried by the body in the air passage for movement between closed and
fully open positions;

a throttle valve carried by the body in the mixing passage for movement between idle
and wide open positions; and

a coupling selectively interconnecting the air valve and the throttle valve so that the
air valve is closed when the throttle valve is in its idle position, the throttle valve can be
moved a predetermined amount from its idle position toward its wide open position before
the air valve is moved from its closed position and thereafter further opening of the throttle
valve toward its wide open position simultaneously moves the air valve toward its fully
open position.

15. (New)

The carburetor of claim 14 wherein the throttle valve is rotated between its idle and
wide open positions and said predetermined amount includes rotation of the throttle valve of
between 3 degrees and 10 degrees from its idle position toward its wide open position.

16. (New)

The carburetor of claim 14 which also comprises a biasing member carried by the coupling and yieldably biasing the air valve to its closed position.

17. (New)

The carburetor of claim 14 wherein the air valve, throttle valve and the coupling are constructed and arranged so that the air valve is in its fully opened position when the throttle valve is in its wide open position.

18. (New)

The carburetor of claim 14 wherein the air valve has an inclined edge configured to engage the body when the air valve is in its closed position to substantially prevent air flow through the air passage.

19. (New)

The carburetor of claim 14 wherein the air valve is carried by an air valve shaft that extends generally transversely to and through the air passage, and the throttle valve is carried by a throttle valve shaft that extends generally transversely to and through the mixing passage.

20. (New)

The carburetor of claim 19 wherein the air valve shaft and the throttle valve shaft are disposed parallel to each other.

21. (New)

The carburetor of claim 20 wherein the air valve shaft and throttle valve shaft are coaxially aligned.

22. (New)

The carburetor of claim 21 wherein the coupling is disposed between the air valve shaft and the throttle valve shaft.

23. (New)

The carburetor of claim 22 wherein the coupling includes a projection carried by the throttle valve shaft and a projection carried by the air valve shaft, said projections being spaced apart when said throttle valve is in its idle position and when said throttle valve is moved less than said predetermined amount from its idle position, said projections being engaged when the throttle valve is moved more than said predetermined amount from its idle position so that the air valve and throttle valve move together toward their fully open and wide open positions.

24. (New)

The carburetor of claim 23 wherein said projections extend axially relative to the air valve shaft and throttle valve shaft.

25. (New)

The carburetor of claim 14 wherein said air passage is maintained separate from said mixing passage and the air passage communicates with a combustion chamber of an engine with which the carburetor is used to provide a supply of scavenging air to the combustion chamber.

26. (New)

A carburetor, comprising:

a body having a scavenging air passage and a separate fuel and air mixing passage;
an air valve carried by the body in the air passage and including an air valve shaft extending transversely to the air passage, the air valve being rotatable with the air valve shaft between closed and fully open positions;

a throttle valve carried by the body in the mixing passage and including a throttle valve shaft extending transversely to the mixing passage, the throttle valve being rotatable between idle and wide open positions; and

a coupling operably interconnecting the air valve shaft and the throttle valve shaft so that the air valve is closed when the throttle valve is in its idle position, the throttle valve can be moved a predetermined amount from its idle position toward its wide open position

before the air valve is moved from its closed position and thereafter further opening of the throttle valve toward its wide open position simultaneously moves the air valve toward its fully open position.

27. (New)

The carburetor of claim 26 wherein the coupling includes a first half carried by the air valve shaft and a second half carried by the throttle valve shaft.

28. (New)

The carburetor of claim 27 wherein said first half includes at least one projection and said second half includes at least one projection with the projection of said second half being engageable with the projection of said first half when the throttle valve is moved at least said predetermined amount from its idle position toward its wide open position.